

ABSTRACT

A rectangular vibrating plate 10 in which a piezoelectric element and a reinforcing plate are stacked is supported on a main plate by a support member 11, and is urged toward the rotor 100 by an elastic force of the support member 11. This brings a projection 36 provided on the vibrating plate 10 into abutment with an outer peripheral surface of the rotor 100. In this construction, when the vibrating plate 10 vibrates in the horizontal direction in the figure by an applied voltage from a driving circuit (not shown), the rotor 100 is rotated in a clockwise direction in accordance with the displacement of the projection 36 due to the vibration.